

**COLOR ELECTROLUMINESCENCE DISPLAY DEVICE (05-283166****Publication Number:** JP 5283166 A) , October 29, 1993**Inventors:**

- MIKAMI AKIYOSHI
- TERADA KOSUKE

**Applicants**

- SHARP CORP (A Japanese Company or Corporation), JP (Japan)

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**JAPIO Class:**

- 43.4 (ELECTRIC POWER--- Applications)
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- 44.9 (COMMUNICATION--- Other)
- 45.3 (INFORMATION PROCESSING--- Input Output Units)

**JAPIO Keywords:**

- R139 (INFORMATION PROCESSING--- Word Processors)

**Abstract:****PURPOSE:** To provide multi-color display or white display with a single luminescence material.

**CONSTITUTION:** A ZnS:Tb film with the thickness of about 0.7. $\mu$ m is formed on a metal electrode 2 and a lower insulating film 3 formed on a glass substrate 1 to form a luminescence layer 4. A red filter 7 and a blue filter 8 are coated at positions of preset picture elements on the inner wall of a seal glass 9 covering an upper insulating film 5 and a transparent electrode 6 formed on the luminescence layer 4. Multi-color display or white display is provided by a single luminescence material via the combination of the single luminescence material ZnS:Tb having four luminescence bands of the blue green luminescence band, green luminescence band, orange luminescence band, and red luminescence band, the red filter 7, and the blue filter 8. (From: *Patent Abstracts of Japan*, Section: E, Section No. 1500, Vol. 18, No. 63, Pg. 104, February 02, 1994 )

**JAPIO**

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